

**Owner's Manual**

---

# **CM-312**

## **COLOR VIDEO MONITOR**

AOC INTERNATIONAL  
250, LIEN CHEN ROAD, CHUNG-HO,  
TAIPEI HSIEN, TAIWAN, R. O. C.  
TEL:(02)223-6742 • 222-9941  
TLX:31105 AOC TPE  
FAX:(02)222-8955 • 222-1818

**AOC**



## **OPERATING INSTRUCTIONS**

*Before operating the monitor please read this manual thoroughly. This manual should be retained for future reference.*

### **WARNING**

*To prevent fire or shock hazard, do not expose the monitor to rain or moisture.*

*Dangerously high voltages are present inside the monitor. Do not open the cabinet. Refer servicing to qualified personnel only.*

### **POWER SOURCE**

*House current operation.*

*Insert the plug of the AC power cord into a convenient AC wall outlet with line voltage exactly the same as the voltage indicated on the rear panel.*

### **PRECAUTIONS**

- \* When operating on the line cord, plug in only to AC outlets with line voltage exactly same as the voltage indicated on the rear panel.*
- \* Should any liquid or solid object fall into the cabinet, unplug the monitor and have it checked by qualified personnel before operating it further.*
- \* Allow adequate air circulation to prevent internal heat build-up. Do not place the monitor set on soft surfaces (rugs, blankets, etc.) or near materials (curtain, draperies) that may block the ventilation holes.*
- \* Do not attempt to make any of the adjustments at the small holes on the bottom of the monitor. These are special adjustments to be performed only by qualified personnel, to be used for an extended period of time.*
- \* To disconnect the cord, pull it out by the plug. Never pull the cord itself.*

## **SPECIFICATIONS**

Picture tube	13V (14"), 90°, 0.31mm dot pitch anti-glare faceplate. Other phosphors as option
Power requirements	110V/60Hz - TAIWAN 120V/60Hz - USA/CANADA 220V/50Hz - EUROPE 240V/50Hz - U.K./AUSTRALIA
Input connector	9 pin D-type
User controls	Power ON/OFF, Contrast, Brightness, Multidis-play
Dimensions	Approx. 370 x 360 x 385 mm (W x H x D)
Weight	Approx. 13.2KG

	<u>Mode 1</u>	<u>Mode 2</u>
Scanning frequency		
o Horizontal	15.75KHz	21.85KHz
o Vertical	60Hz	60Hz
Video bandwidth	14MHz	20MHz
Resolution	640 x 200	720 x 350
Power consumption	Max. 80W	Max. 100W
Input signal		
o Video signal	R.G.B.I. TTL positive	RR'GG'BB' TTL positive
o Horizontal sync	TTL positive	TTL positive
o Vertical sync	TTL positive	TTL negative
Multi-display color	Green-16 colors-amber	Green-64 colors-amber

## **OPERATION**

- \* The power cord should be connected.
- \* Connect cable from monitor to D-type input jack.

- \* To turn the monitor on, press the *POWER* switch to *ON* position and then the power indicator will lit up.
- \* Your monitor features a unique quickswitch system which provides a picture within seconds after the monitor is switched on. Unlike conventional instant-picture system, there is absolutely no power consumption when the monitor is not in use.
- \* Adjust the *BRIGHTNESS* and *CONTRAST* controls to obtain optimum display quality.

## **NOTES**

- \* Do not install the monitor in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- \* Save the original shipping carton and packing material, they will come in handy if you ever have to ship your monitor.

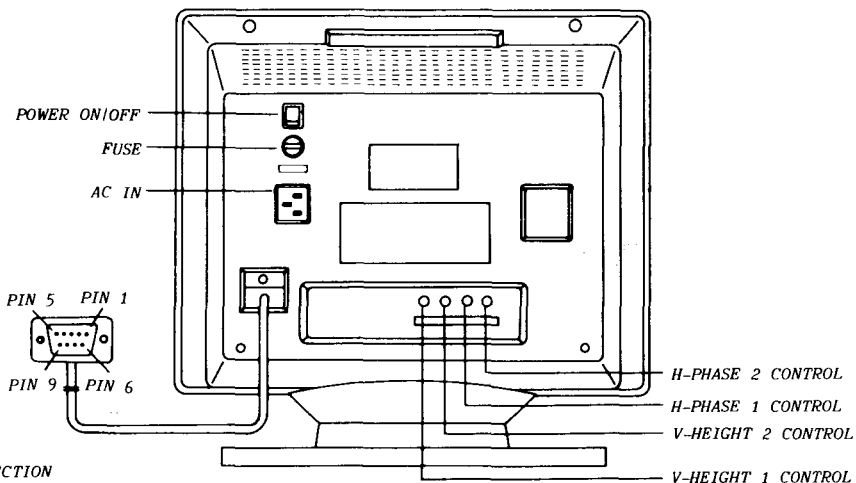
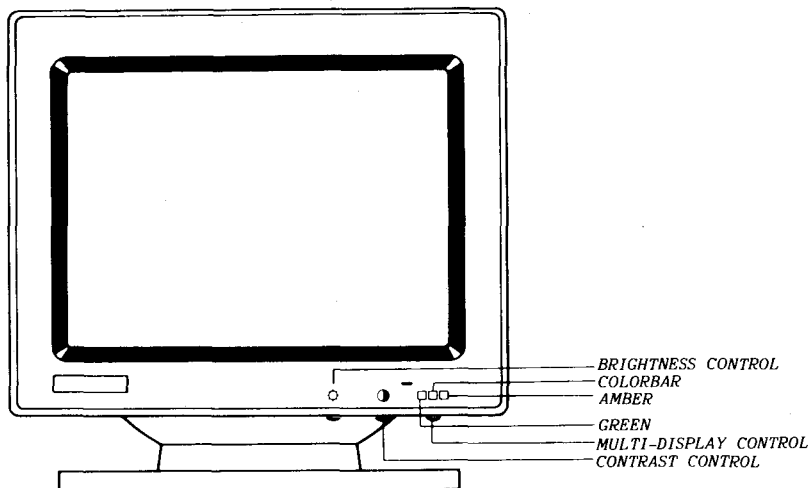
For maximum protection, repack your monitor as it was originally packed at the factory.

- \* To keep the monitor looking brand-new, periodically clean it with a soft cloth, stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner or benzene or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.

## **TO ADJUST THE PICTURE**

- \* If the picture is too bright or too dark, adjust the *BRIGHTNESS CONTROL*.
- \* If the picture contrast is too strong, too weak or overshoot, adjust the *CONTRAST CONTROL*.
- \* If the height of the picture is not suitable, adjust *V-HEIGHT 1 CONTROL* for Mode 1 and *V-HEIGHT 2 CONTROL* for Mode 2.
- \* If the picture is not on the center of the screen, adjust *H-phase 1 CONTROL* for Mode 1 and *H-PHASE 2 CONTROL* for Mode 2.

# LOCATION OF CONTROLS



## SIGNAL CONNECTION

- |        |           |
|--------|-----------|
| 1. GND | 6. G'     |
| 2. R'  | 7. B'     |
| 3. R   | 8. H-SYNC |
| 4. G   | 9. V-SYNC |
| 5. B   |           |



